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AVERAGE AND PROBABILITY.

154. Proposed by L. C. WALKER, A.M., Professor of Mathematics, Colorado School of Mines, Golden, Col.

Five points are taken at random in space. The chance that the fifth point may be included within the tetrahedron of which the other four points are the vertices is $\frac{1}{2^3}$.

GROUP THEORY.

4. Proposed by SAUL EPSTEIN, Chicago, Ill.

Find the four-parameter continuous group which leaves invariant $x_2^2 - x_1 x_3 = 0$.

NOTES.

Errata, p. 87, line 7 from bottom, middle column, for ABCEGEF, read ABECGDE.

Drs. C. M. Mason and D. R. Curtiss have been appointed to instructorships in mathematics at Yale University, the former in the Sheffield Scientific Department.

The Association of Ohio Teachers of Mathematics and Science was organized at a meeting held in Columbus April 2, 1904. The officers of the Association are: President, Charles S. Howe; Vice President, Alan Sanders; Secretary, Thos. E. McKinney.

At Stanford University Dr. H. C. Moreno has been promoted to an assistant professorship in Applied Mathematics. Professor Allardice and Mr. Manning have been granted leaves of absence for one year. Mr. Manning will spend the year studying in Europe, his work at the University being in charge of Mr. George I. Gavett.

The San Francisco Section of the American Mathematical Society met on Saturday, April 30, at Stanford University. In the morning session papers were read by Professors M. W. Haskell, H. C. Moreno, R. L. Allardice; Dr. D. N. Lehmer, and Mr. A. W. Whitney, and in the afternoon session by Professors I. Stringham, G. A. Miller, H. F. Blichfeldt, and M. W. Haskell. The next meeting will be held on October 1, 1904.